

CSD Chemicals Installed on NOAA P-3, 2010
Sorted by Scientific Instrument Name

Instrument	Location on P3	Chemical Name	Description
AFSR (Zaphrod)	J cabinet	Drierite	50 g
AMS	Station 3	Carbon dioxide	1800 psi
AWAS	RWS 83	Air	1850 psi
CaRDS (ARNOLD)	Station Dual Pass	Air	2200 psi
CaRDS (ARNOLD)	Station Dual Pass	Carbon dioxide (dry ice)	0.2 kg
CaRDS (ARNOLD)	Station Dual Pass	Ferrous sulfate	10 g
CaRDS (ARNOLD)	Station Dual Pass	N2O5 (solid)	1 g
CaRDS (ARNOLD)	Station Dual Pass	Nitric oxide/N2 gas mixture	100 ppmv
CaRDS (ARNOLD)	Station Dual Pass	Nitric oxide/N2 gas mixture	500 ppmv
CaRDS (ARNOLD)	Station Dual Pass	Oxygen	2200 psi
CCN	Station 2	Water	1.5 L
CO	RWS 465	Air	2000 psi
CO	RWS 465	Argon/CO2 gas mixture	0.25% CO2
CO	RWS 465	Carbon monoxide in air	10 ppmv
CO2/CH4	Station 5	Carbon dioxide & methane in air	2200 psi
CRD	Station 2	Air	2216 psi
HNO3/NH3	Station 7	Acetone in N2	3%
HNO3/NH3	Station 7	Ammonia	171 g, 0.25 ml
HNO3/NH3	Station 7	Ammonia scrubbing media	200 g
HNO3/NH3	LIPF	Busch R-580 vacuum oil	0.5 liter
HNO3/NH3	Station 7	Nitric acid	0.25 ml
HNO3/NH3	Station 7	Nitrogen (refrigerated liquid)	10 L
HNO3/NH3	Station 7	Polonium 210 alpha air ionizer	2 x 20 mCi
HNO3/NH3	Station 7	SiF4 in N2	1000 ppmv
NMASS	RWS 83	Perfluorotributylamine	100 ml
NOy/O3	Station C3X	Air	2000 psi
NOy/O3	Station C3X	Carbon dioxide (dry ice)	7.5 kg
NOy/O3	Station C3X	Carbon monoxide	1000 psig
NOy/O3	Station C3X	Nitric oxide	500 psi
NOy/O3	Station C3X	Nitric oxide/N2 gas mixture	1.5 ppmv
NOy/O3	Station C3X	Oxygen	2000 psi
NOy/O3	Station C3X	Water	75 ml
PANs	Station 5	Acetone in air	20 ppm
PANs	Station 5	Methyl iodide/N2 gas mixture	1000 ppmv
PANs	Station 5	Polonium 210 alpha air ionizer	1 x 20 mCi
PAS	Station 2	Ozone	10 ppmv
PiLS	Station 3	Lithium fluoride in water	<1000 ppb
PiLS	Station 3	Water	1 L
PTRMS	Station 8	Paraformaldehyde perm tube	2 mg
PTRMS	Station 8	Water	0.5 L
QCLS	Station 4	Air	2000 psi
QCLS	Station 4	Carbon dioxide (dry ice)	4 L
QCLS	Station 4	Ethylene glycol in water	50%, 500 ml
QCLS	Station 4	Nitrogen (refrigerated liquid)	1 L
SO2	Station 6a	Air	2000 psi
SO2	Station 6a	Sulfur dioxide in nitrogen	10 ppmv
WLOPC	Station flight director	Silica gel	100 g